

**What Is Claimed Is:**

- 5                   1.       A system for providing a work-at-home telecommunication service, the system comprising:
- a service control point;
- a service switching point which receives a service-specific, vertical feature code and a dialed number from a calling party initiating a call,
- 10       the service switching point operative to suspend the call and to send a query to the service control point after receiving the vertical feature code and the dialed number, the query including the dialed number and a calling party identification number;
- wherein the service control point forms a response to the query
- 15       by translating the dialed number to form a called party identification number and by modifying the calling party identification number to an identification number of a group associated with the calling party;
- wherein the response includes the called party identification number, the calling party identification number, and a carrier identification code
- 20       which identifies a telecommunication carrier for the group associated with the calling party; and
- wherein the service switching point routes the call to the called party using the telecommunication carrier for the group.
- 25                   2.       The system of claim 1 wherein the dialed number includes a seven-digit number conforming to a standard dialing plan format.
3.       The system of claim 2 wherein the service control point translates the seven-digit number by prefixing the seven-digit number with a
- 30       predetermined string of digits.
4.       The system of claim 1 wherein the dialed number includes a ten-digit number conforming to a standard dialing plan format.

5           5.     The system of claim 1 wherein after receiving the dialed number, the service switching point receives an end-of-dialing indication from the calling party.

10           6.     The system of claim 5 wherein the end-of-dialing indication includes a "#" dialed by the calling party.

15           7.     The system of claim 1 wherein the service switching point receives a privacy access code prior to receiving the dialed number, and wherein the service control point restricts a passing of the calling party identification number to the called party in response thereto.

            8.     The system of claim 7 wherein the privacy access code includes "\*67".

20           9.     The system of claim 1 wherein the service switching point creates a record of the call based upon the identification number of the group associated with the calling party included in the response.

25           10.    The system of claim 1 wherein the calling party identification number includes an ANI number.

30           11.    The system of claim 1 wherein a distinctive ring is provided at the called party to indicate that the call is associated with the work-at-home telecommunication service.

            12.    The system of claim 1 wherein the dialed number includes a private virtual network number.

35           13.    The system of claim 1 wherein the call is routed upon receiving a predetermined personal identification number.

5           14.     A method of providing a work-at-home telecommunication service, the method comprising the steps of:

- (a)     receiving, from a calling party, a service-specific, vertical feature code and a dialed number to initiate a call;
- 10       (b)     suspending the call and sending a query to a service control point after receiving the vertical feature code and the dialed number, the query including the dialed number and a calling party identification number;
- 15       (c)     forming a response to the query using the service control point by translating the dialed number to a called party identification number and by modifying the calling party identification number to an identification number of a group associated with the calling party, the response including the called party identification number, the calling party identification number, and a carrier identification code which identifies a telecommunication carrier for the group associated with the calling party; and
- 20       (d)     routing the call to the called party using the telecommunication carrier identified by the carrier identification code.

          15.     The method of claim 14 wherein the dialed number includes a seven-digit number conforming to a standard dialing plan format.

25           16.     The method of claim 15 wherein the service control point translates the seven-digit number by prefixing the seven-digit number with a predetermined string of digits.

30           17.     The method of claim 14 wherein the dialed number includes a ten-digit number conforming to a standard dialing plan format.

          18.     The method of claim 14 further comprising a step of receiving an end-of-dialing indication from the calling party after receiving the dialed number.

35           19.     The method of claim 18 wherein the end-of-dialing indication includes a "#" dialed by the calling party.

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20. The method of claim 14 further comprising the step of receiving a privacy access code prior to receiving the dialed number, and wherein the service control point restricts a passing of the calling party identification number to the called party in response thereto.

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21. The method of claim 20 wherein the privacy access code includes "\*67".

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22. The method of claim 14 further comprising the step of creating a record of the call based upon the identification number of the group associated with the calling party included in the response.

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23. The method of claim 14 wherein the calling party identification number includes an ANI number.

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24. The method of claim 14 further comprising the step of:  
(e) providing a distinctive ring at the called party to indicate that the call is associated with the work-at-home telecommunication service

25. The method of claim 14 wherein the dialed number includes a private virtual network number.

26. The method of claim 14 wherein the call is routed upon receiving a predetermined personal identification number.

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